



Skin Smoothing Assay

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Tradename: AC Southernwood Plump BG PF

Code: 20419PF

CAS #: 107-88-0 & 89957-58-4 & 7732-18-5

Test Request Form #: 2168

Lot #: NC160308-A

Sponsor: *Active Concepts, LLC; 107 Technology Drive Lincolnton, NC 28092*

Study Director: *Maureen Danaher*

Principle Investigator: *Jennifer Goodman*

Introduction

The purpose of this study was to determine an increase in skin smoothness using **AC Southernwood Plump BG PF**. The study was based on comparing silicone impressions that were made of the test sites before and after the 30 day twice daily treatment using 4.0% **AC Southernwood Plump BG PF**.

Materials and Methods

20 M/F subjects between the ages of 38 and 53 participated in this study. Subjects abstained from using any products on their faces prior to the trial's commencement. Two areas along the outer eye were selected for the trial. Area 1 was treated with the variable, while Area 2 was treated with the placebo. Two areas on the subject's cheeks were also selected for the study; Area 3 was treated with the variable while Area 4 was treated with the placebo. Both the variable and placebo were applied twice daily for 30 days.

The variable material consisted of an emulsion containing 4.0% **AC Southernwood Plump BG PF**. Impressions of the test areas were made using silicone molds. Laser profiling with a three dimensional confocal surface measurement system from NanoFocus was used on the molds to quantify the effects of **AC Southernwood Plump BG PF** and the placebo on the skin. The molds were kept at a relative humidity between 40.0% and 60.0% and at a room temperature of approximately 22°C (72°F).

Results

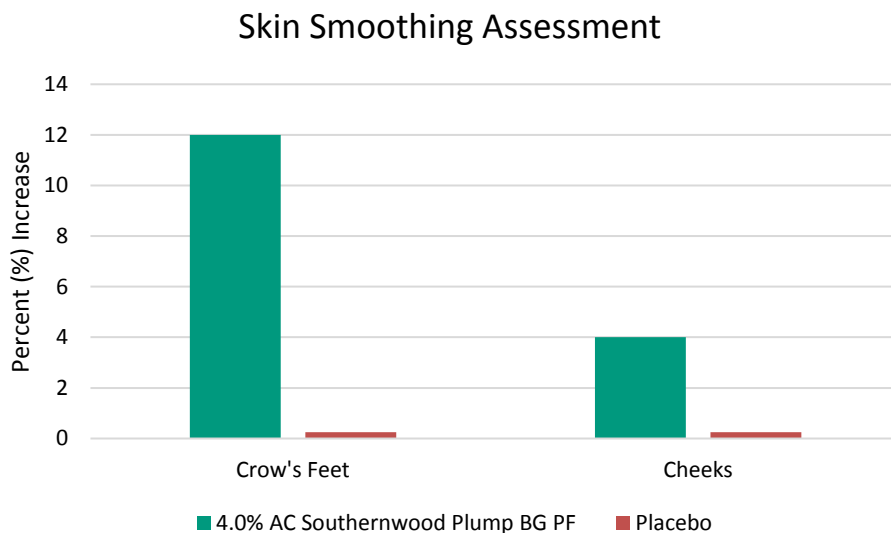


Figure 1. Comparing percent increase in skin smoothness of 4.0% AC Southernwood Plump BG PF and the placebo.

Discussion

The results indicate that **AC Southernwood Plump BG PF** is capable of reducing the appearance of Crow's Feet by 12.0% and reducing the appearance of wrinkles on the cheeks by 4.0%.